

INDOOR FINE-PITCH COB LED DISPLAY

Corvus Series

Corvus-09 ▶ **Corvus-12** ▶ **Corvus-15**

A front-serviceable fine-pitch COB video wall for indoor installation.



Corvus puts a single unbroken image where a video wall would normally show its seams. The LED dies sit beneath one continuous COB surface rather than as separate lamps, so there is no moiré effect and no pixelisation — the wall reads as a picture rather than a grid of panels, even close up. That is what makes fine pitch worth specifying: it earns its place in rooms where people stand near the screen.

It suits control rooms and broadcast studios, where operators and cameras work close to the wall, as much as lobbies and boardrooms where the screen becomes part of the architecture. The IP65-rated module is rugged and wipes clean, so it survives public space — and because modules, power supplies and everything behind them are serviced from the front, the wall can sit tight against structure with no rear access void to design around.

KEY FEATURES

Image

- ▶ 25,000:1 contrast ratio across all three pixel pitches
- ▶ 16-bit greyscale for high tonal range in low-brightness areas
- ▶ 10-bit HDR input for a much larger colour volume than SDR LED
- ▶ 1,600 – 3,840 Hz refresh rate; 50 / 60 Hz frame rate
- ▶ 170° / 150° viewing angle; 3,000 – 10,000 K adjustable colour temperature

Surface and construction

- ▶ Full flip-chip COB — emits light as a surface, not an array of points
- ▶ IP65-rated COB module — cleanable with a damp cloth
- ▶ Bracket-free modules attached directly to the die-cast cabinet frame
- ▶ 600 × 337.5 × 39.9 mm 16:9 cabinet at 4.3 kg — 21.5 kg/m²

Installation and service

- ▶ Front / rear installation access; front maintenance of module, PSU and others
- ▶ Floating connectors between hub and modules — ±0.5 mm tolerance
- ▶ X / Y / Z adjustment at cabinet joints
- ▶ Dual signal and loop redundancy; dual power redundancy optional
- ▶ Optional diagnostics — power status, temperature, humidity, smoke, abnormal status

Applications

Control rooms · Broadcast and XR studios · Corporate lobbies · Boardrooms · Retail flagship · Simulation and visualisation

CABINET MODELS

Specifications

Cabinet Model	Corvus-09	Corvus-12	Corvus-15
Pixel Configuration	Full Flip Chip COB		
Pixel Pitch (mm)	0.93	1.25	1.56
Module Resolution (dots)	160 × 180	120 × 135	192 × 108
Module Size (mm)	150 × 168.75	150 × 168.75	300 × 168.75
Unit Area (m ²)	0.2025		
Module Composition (W × H)	4 × 2	4 × 2	2 × 2
Cabinet Resolution (dots)	640 × 360	480 × 270	384 × 216
Pixel Density (Points/m ²)	1,137,778	640,000	409,600
Cabinet Dimension (W × H × D) mm	600 × 337.5 × 39.9		
Weight per Cabinet (kg)	4.3		
Weight per m ² (kg)	21.5		
Brightness Max Calibrated (nit)	800	600	600
Colour Temperature, Adjustable (K)	3000 ~ 10000		
Viewing Angle (Horizontal)°	170		
Viewing Angle (Vertical)°	150		
Contrast Ratio	25000:1		
AC Operation Voltage	AC 100 ~ 240 V		
Max. Power Consumption (W/m ²)	505	420	395
Avg. Power Consumption (W/m ²)	175	125	114
Greyscale (Bits)	16		
Refresh Rate (Hz)	1600 - 3840		
Frame Rate (Hz)	50 & 60		
Lifetime (hrs)	100,000		
Installation Access	Rear / Front		
Module Maintenance	Front		
PSU & Others Maintenance	Front		
Operating Temperature (°C)	-10 ~ 40		
Storage Temperature (°C)	-20 ~ 60		
Operating Humidity (%RH)	10 ~ 80% no condensation		
Storage Humidity (%RH)	10 ~ 85% no condensation		

Specifications subject to change without notice.